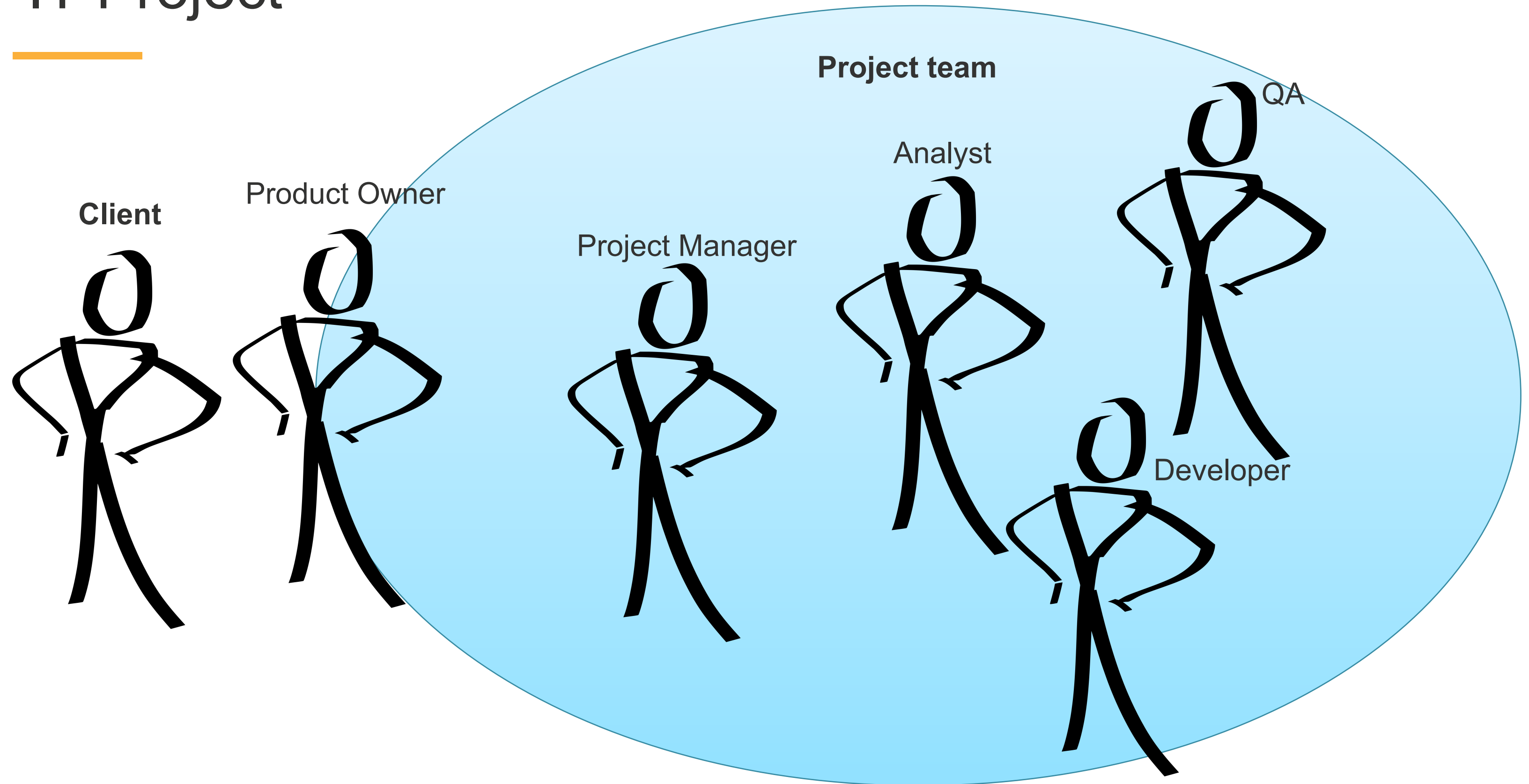


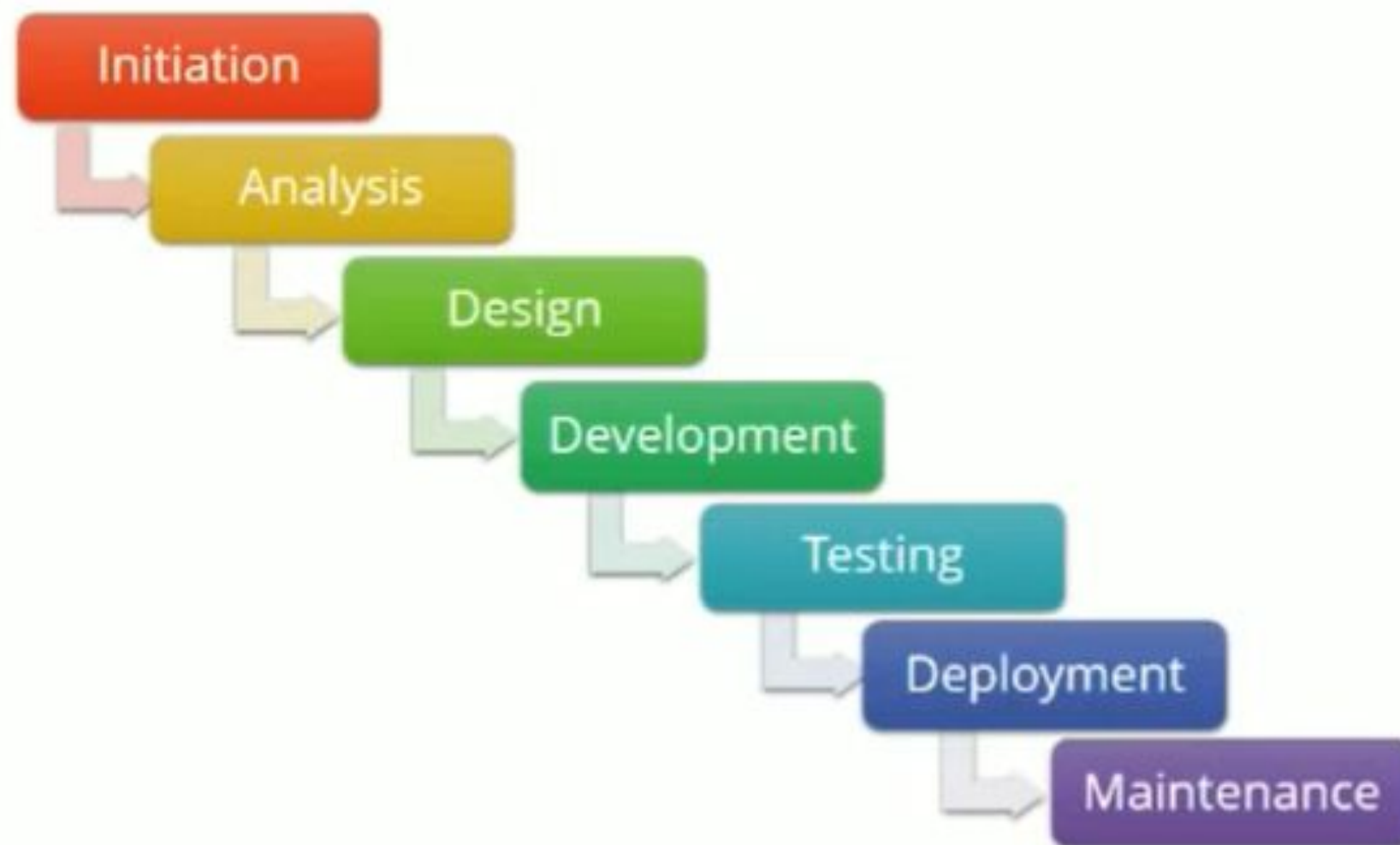


DataArt

IT Project



Waterfall



Initiation (фаза предпроектного анализа)



- Problem Analysis
- Goals and objectives definitions
- Stakeholders analysis
- Current process analysis (BABOK 6.1)
- Competitors analysis
- ...
- Solution definition, presentation and approval

Analysis



- Requirements elicitation (BABOK c.4)
- Requirements analysis (BABOK c.7)
- Requirements prioritization (BABOK 5.3)
- Requirements approval (BABOK 5.5)

Analysis



Document types:

- Vision document
- Functional requirements specification (Use cases) (BABOK 10.47)
- Non-functional requirements specifications

Analysis: Use Cases

Properties	Descriptions
Use Case No	01
Use Case Name	Log in
Description	This use case defines the process by which user logs in the system and becomes the registered user.
Actor(s)	Anonymous User
Pre-condition	None
Post-condition	User is logged in the system and has the rights according to his role. User is redirected to the Home Page.
Main Flow	1. Enter username and password (at the top right of the screen) 2. Press "Log in" button
Alternate Flow	None
Exceptions	If in the Main Flow the actor enters an invalid username and/or password, the system displays an error message. The actor can choose to either return to the beginning of the Main Flow or cancel the login, at which point the use case ends.
Related Use-Cases	
Special Requirements	

Analysis: Use Cases Diagrams



Design



Who:

- Busyness Analyst
- Subject Matter Experts
- Solution Architect

What:

- Technical Specifications
- Solution Requirements
- ...

Development

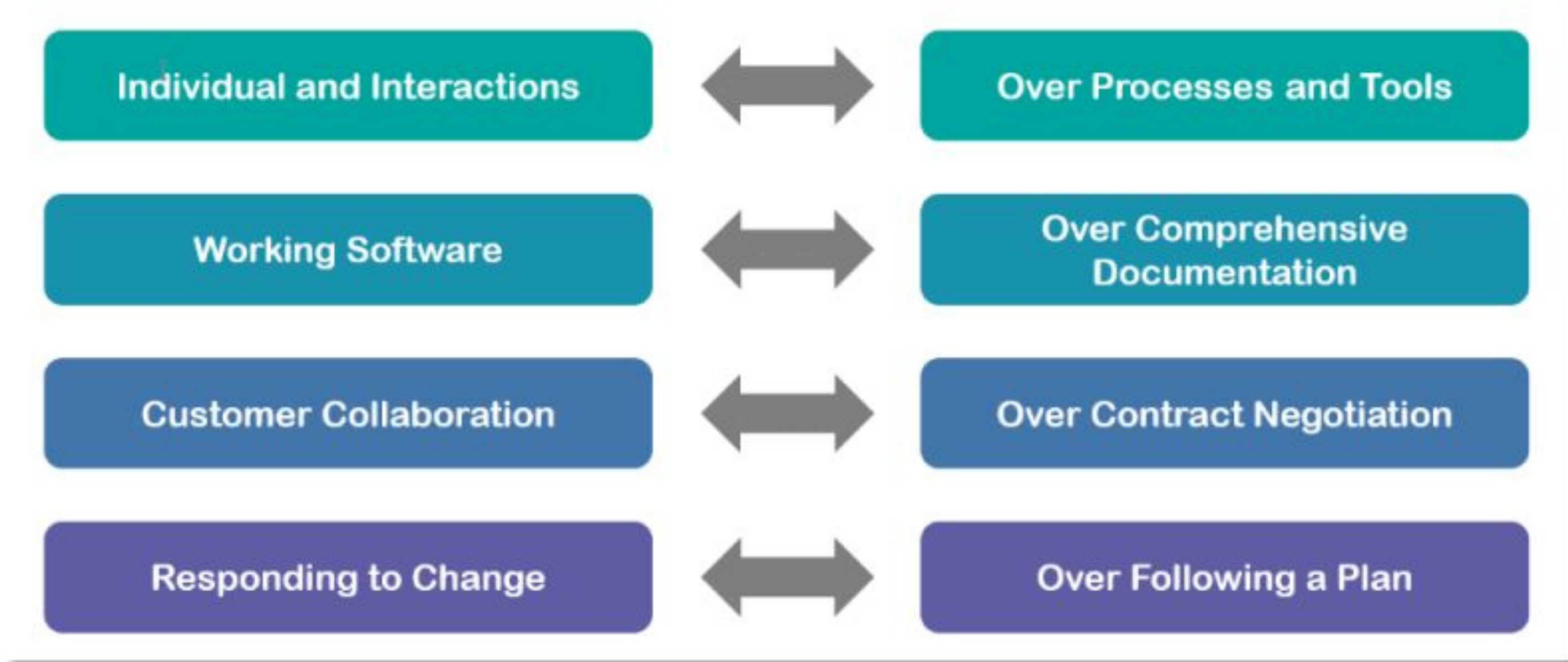


-
- Clarification
 - Clarification
 - Clarification
 - ...

Testing

- Acceptance testing;
- Test documentation review
- Clarification
- Clarification
- Clarification
- ...

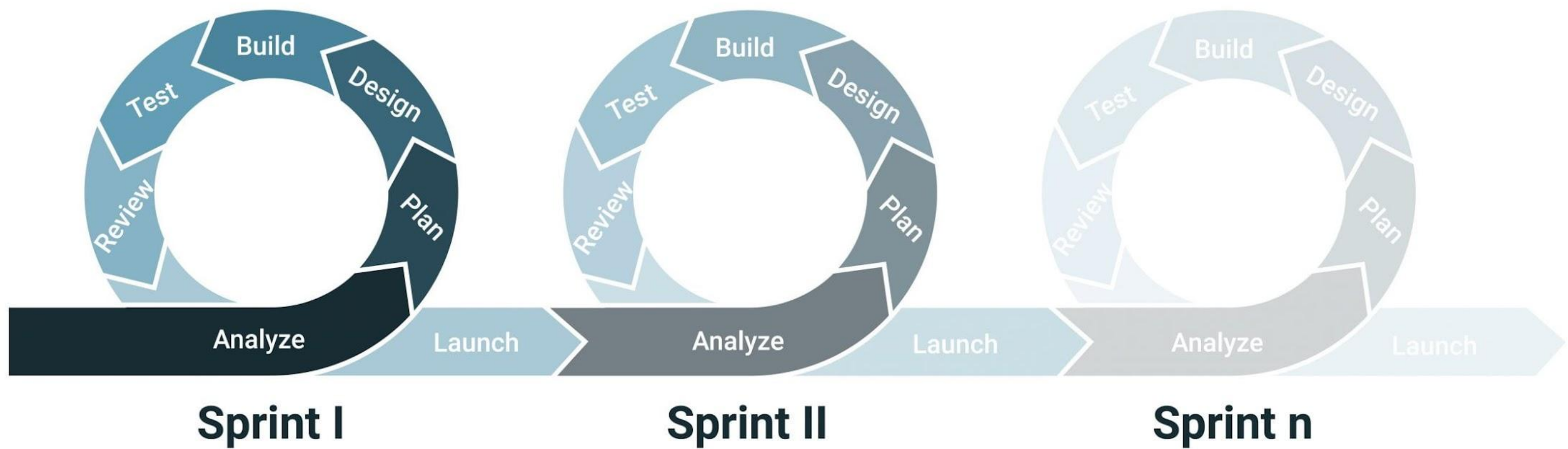
Agile and The Agile Manifesto



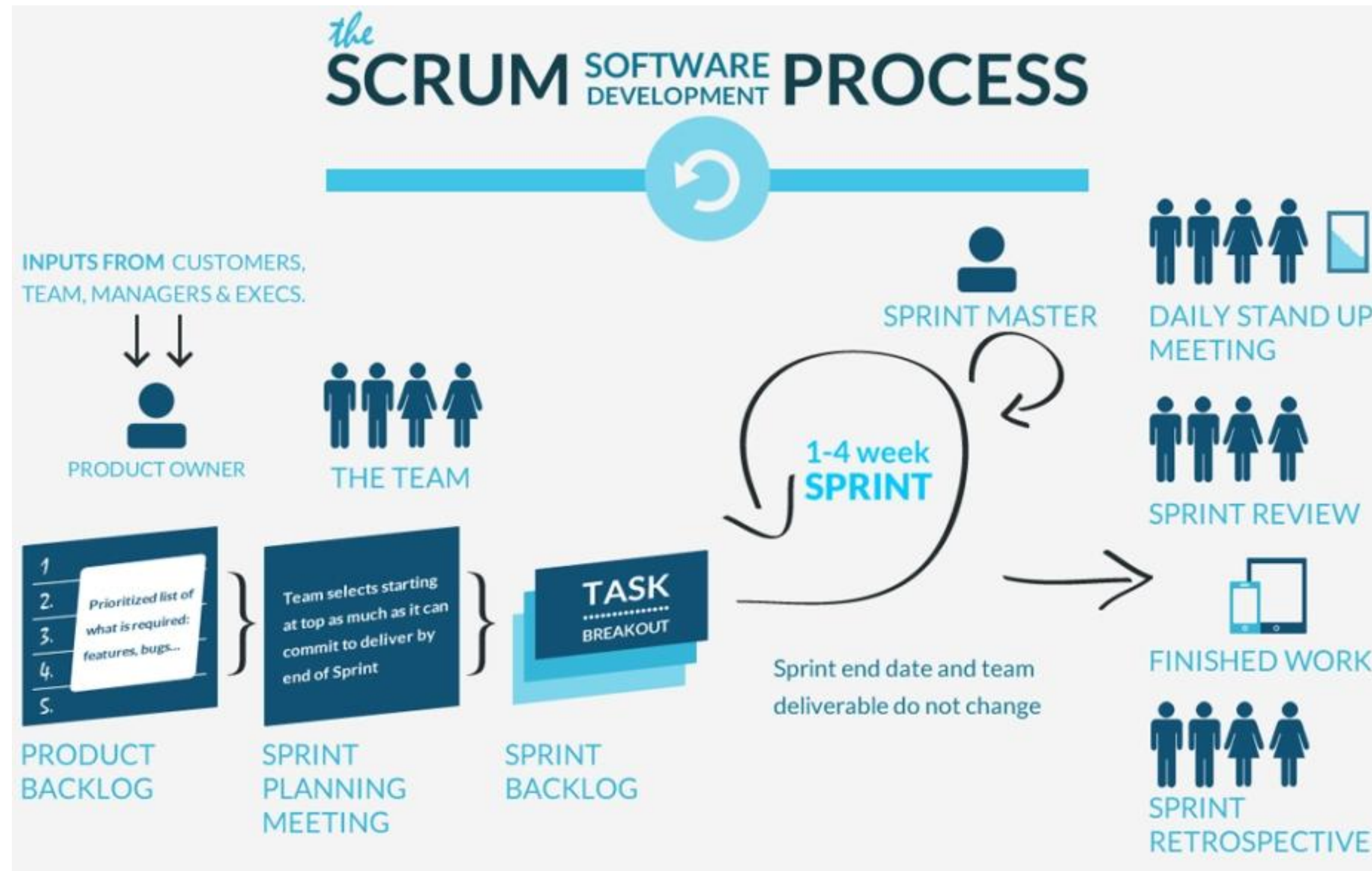
Agile Methodology



AGILE



Scrum Framework

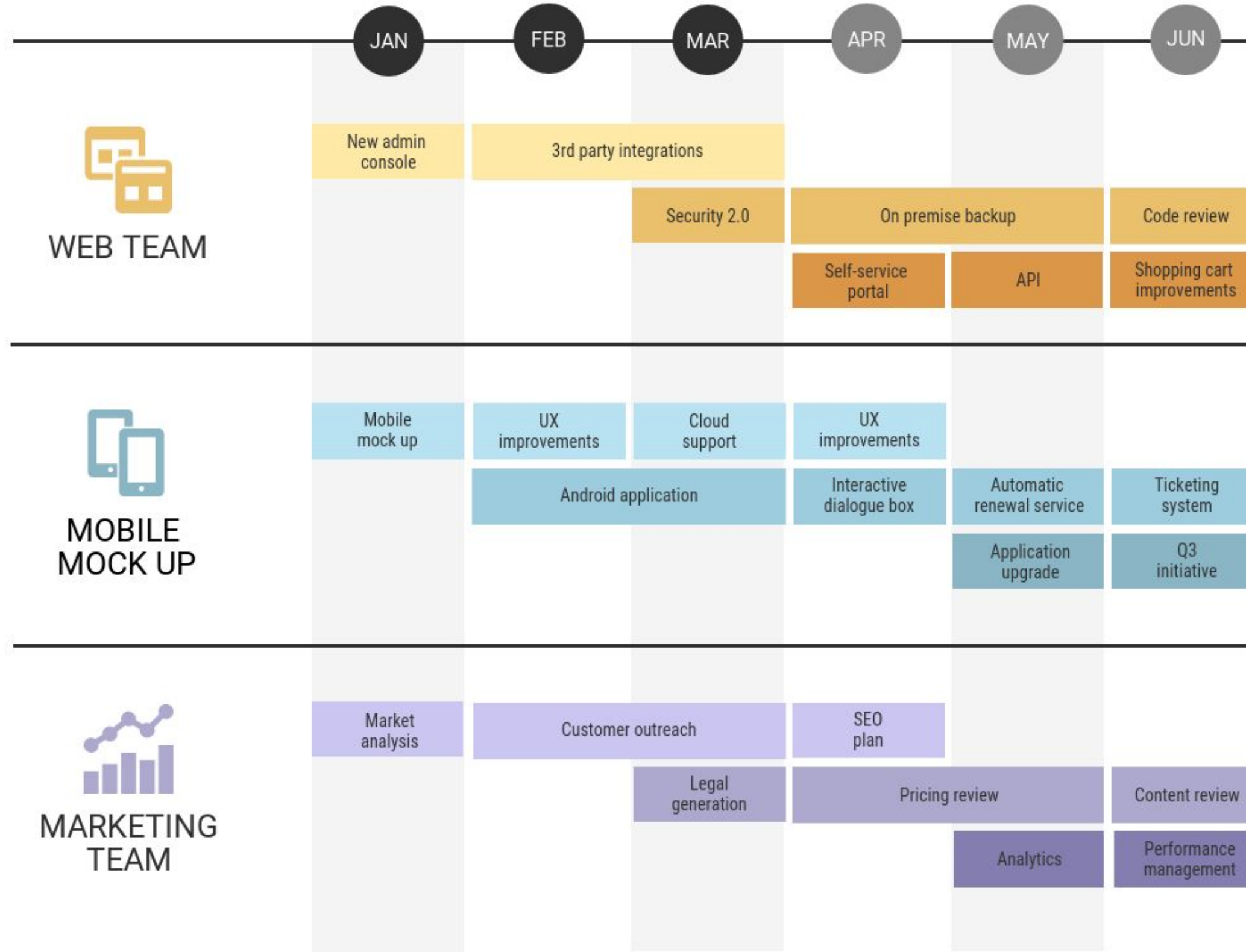


Roadmap

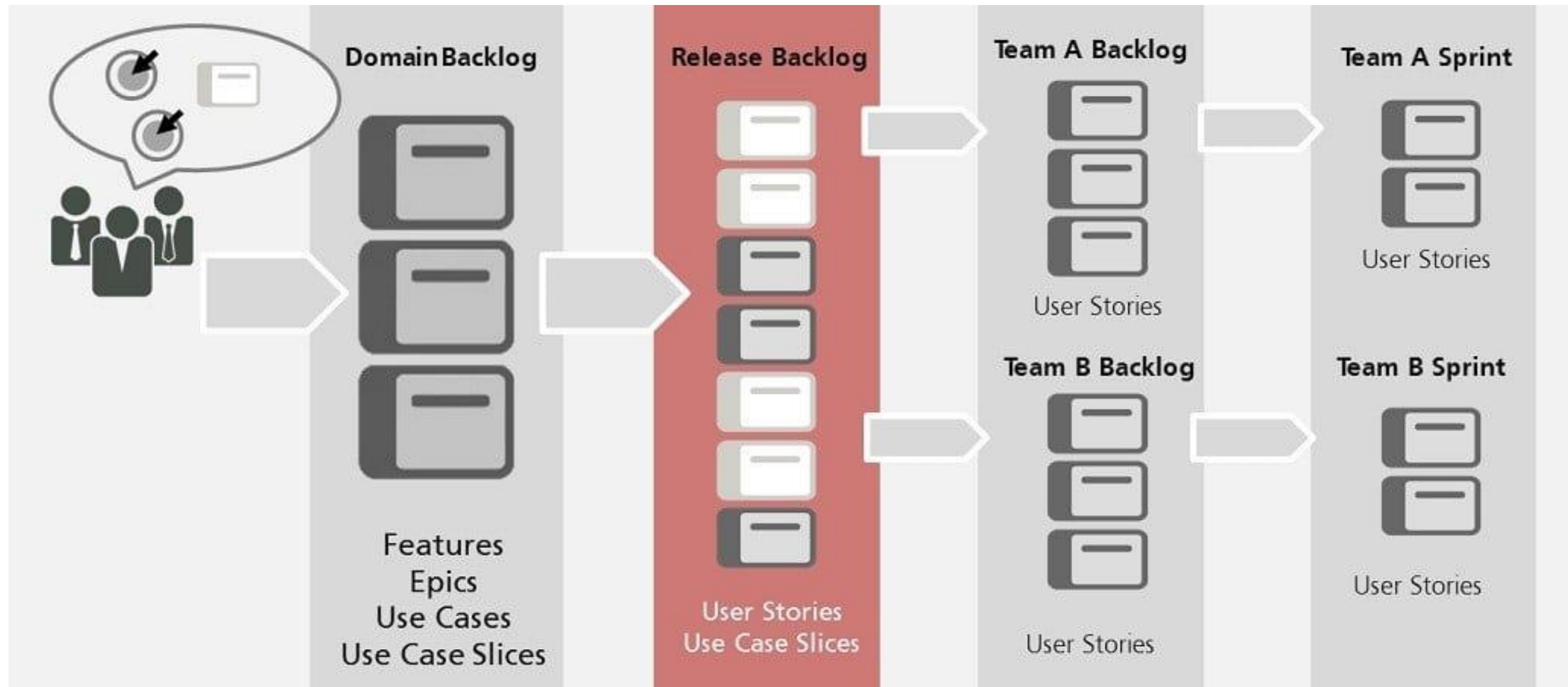


ADVENT CO. // ENVISION 6.0 // PRODUCT ROADMAP

● Q1 ● Q2



Backlog



Possible places of BA



Where a Business Analyst can be?

- Product owner
- Proxy Product Owner
- Team Member

User Story



As a <type of user>, I want <some goal> so that <some reason>

Example:

As a Purchaser on a website, **I want** the ability to pay with a credit card, **so that** I can immediately confirm my order

User Story with Acceptance Criteria



Example:

As a Purchaser on a website, **I want** the ability to pay with a credit card, **so that** I can immediately confirm my order

Acceptance criteria:

- Accept Visa, Mastercard
- Validate card number when entered
- Validate expiration date and CVV
- Generate success and failure messages after processing

Given-When-Then

GIVEN

- In this step we are putting the system into known state by defining start data. For example we can put some data into database, set up environment data and so on.

WHEN

- This step defines a key action. It means that in this part of the test system does think what we expect from him.

THEN

- This is a verification step. In this part we observe system output, we check if system behave in the expected way or not and we draw conclusions.

Useful Links



[What is SDLC](#)

[Waterfall Model](#)

[SDLC Waterfall Model](#)

[Waterfall Model](#)

[Agile in SDLC](#)

[Agile Model](#)

[SDLC Tutorial](#)

[Software Development Life Cycle](#)

[Manifesto](#)